

NWS Form E-5

(04-2006)

(PRES. BY NWS Instruction 10-924)

U.S. DEPARTMENT OF COMMERCE

NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION

NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

San Angelo, TX

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

June

2007

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE

Jason Johnson

DATE

July 23, 2007

When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).

☐ An X inside this box indicates that no flooding occurred within this hydrologic service area.

Generally, the average rainfall across west central Texas in June ranges from about 2 inches to 3.5 inches. The weather pattern dominating June, 2007, favored ample rainfall and generated monthly precipitation totals well above average for many of the coop observers across the HSA as well as for the San Angelo, Abilene and Junction airport stations. Average rainfall reported from coop observers in June was 7.22 inches. The highest monthly rainfall total of 13.98 inches was reported in Callahan County. Coop observers in Brown, Coleman, Callahan, Mason, Runnels, San Saba, Shackelford, Sutton and Throckmorton Counties received over ten inches of rain in June.

Numerous showers throughout the first half of the month across the HSA generated flash flooding over localized areas. Toward the end of the month, the moist conditions had soils nearly saturated and more widespread runoff was noticed. From June 24 through 29, a weak upper level low pressure system slowly wandered across central Texas. Periods of very heavy rainfall associated with the weak upper level system produced considerable rises along area streams and rivers. River level rises were noted from the Clear Fork Brazos River basin to the Llano River basin.

Early on the 25th, heavy rainfall across northern Runnels County near Winters, created a significant rise along Elm Creek. The Elm Creek at Ballinger climbed quickly above flood stage (7 feet) and crested just over eight feet during the afternoon of the 25th. Additional rises occurred over the next several days as showers continued to linger across the region.

Numerous periods of heavy rain over the Pecan Bayou watershed caused Lake Brownwood to climb beginning on the 26th. Overnight of the 28th into early on the 29th, the lake crested at 4.2 feet above the spillway. As this water flowed downstream through the city of Brownwood, city streets were flooded due to the water backing up in the local creeks.

The San Angelo Regional Airport received 5.54 inches of precipitation during June, which was 3.02 inches above normal for the month. This was the fifth wettest June on record at San Angelo. The monthly normal rainfall for San Angelo in June is 2.52 inches.

The Abilene Regional Airport received 7.86 inches of precipitation during June, which was 4.80 inches above normal for the month. This was the sixth wettest June on record at Abilene. The monthly normal rainfall for Abilene in June is 3.06 inches.

Junction received 4.96 inches of rain in June. The estimated average monthly rainfall in June is about 3.75 inches.

Coop Observer Rainfall Totals for June, 2007:

Station Name	Amt (in)	Station Name	Amt (in)
Abilene 2	5.36	Merkel 12SW	5.61
Acton Ranch	7.72	Oak Creek Lake	6.63
Albany	10.23	Ozona	4.96
Anson	3.54	Ozona 22SE	5.69
Ballinger 2NW	8.34	Paint Rock	6.75
Brady	7.51	Putnam	13.98
Brownwood	11.58	Red Bluff Crossing	10.02
Burkett	11.91	Richland Springs	6.33
Coleman	7.78	Robert Lee	2.85
Concho Park	5.62	Roscoe	0.53
Eden	6.74	Rotan	3.61
Eldorado	4.22	San Angelo WFO	5.69
Eldorado 10W	3.45	San Saba 7NW	9.35
Eldorado 12N	4.45	Silver Valley	8.37
Fort Griffin	12.12	Sonora	2.81
Fort McKavett	9.85	Stamford	6.37
Glen Cove	8.80	Sterling City	2.01
Hamlin	4.91	Taylor Ranch	8.85
Haskell	7.24	Telegraph	7.66
Hords Creek	10.68	Throckmorton 7NE	9.94
Humble Pump	10.59	Water Valley	1.82
Junction 4SSW	4.82	Water Valley 11NE	3.18
Lake Abilene 6WNW	7.61	Winters	11.18
Lawn	7.94	Woodson	11.36
London 3N	8.63		
Mason	13.19	(M) <i>Missing data</i>	
Menard	7.94	(T) <i>Trace</i>	

Reservoir Conditions (end of June, 2007)

Reservoir	Conservation Capacity (Ac-Ft)	End of Month Capacity (Ac-Ft)	Percent of Capacity (%)
Fort Phantom Hill	70,030	65,440	93
Lake Stamford	51,570	51,570	100
Hubbard Creek Lake	318,070	289,490	91
Hords Creek Lake	8,112	8,112	100
Lake Brownwood	131,428	131,428	100
E.V. Spence	517,270	73,930	14
O.C. Fisher	119,200	7,870	7
O.H. Ivie	554,340	331,000	60
Twin Buttes	177,800	55,920	31

Hydro Products Issued

FFA = 20

FFW = 35

FFS = 36

FLS = 68 (Flood Advisory)

FLS = 4 (Flood Statement)

FLW = 1 (Aerial Flood Warning)

FLW = 2 (Forecast Point)